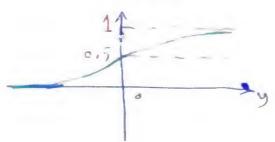
22/16/2016

a.

18° 5

[4] milw

Signe dal Fr



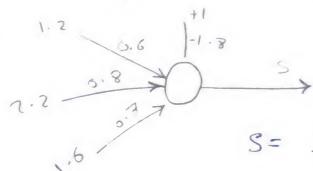
Bpolar Emolded En

$$S = \frac{1}{1 \cdot e^{-y}} - 1$$

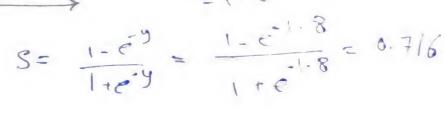
$$= \frac{1 - e^{-y}}{1 + e^{-y}}$$

$$y = ln\left(\frac{1+5}{1-5}\right)$$

Sheet 2









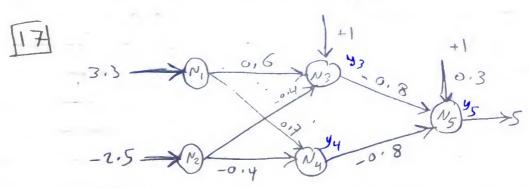
(a)
$$y = -1.11 + w_0$$

 $y = ln\left(\frac{1+5}{1-5}\right) = ln\left(\frac{1+0.65}{1-0.65}\right)$
 $= 1.551$
 $\Rightarrow w_0 = 1.551 + |.11 = 7.661$

b)
$$y = -1.11 + i \omega_0$$

 $y = ln\left(\frac{5}{1-5}\right) = ln\left(\frac{0.65}{1-0.65}\right)$
 $= 0.619$
 $\Rightarrow \omega_0 = 0.619 + 4 = 1.11 = 2.729$

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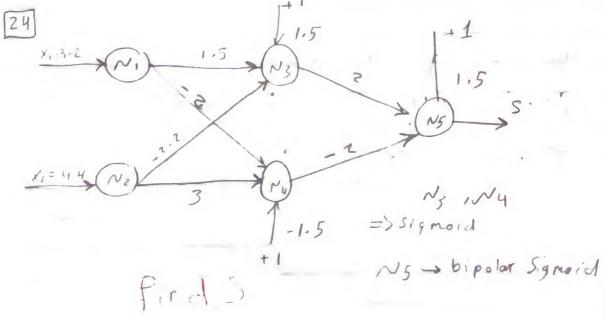


$$f(9s) = \frac{1}{1 + e^{-9s}} = \frac{1}{1 + e^{-3s}} = \frac{1}{1 + e^{-3s}}$$

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$$f(9s) = \frac{1}{1 + e^{-3s}} = \frac{1}{1 + e^{$$



4)

$$y_{3} = (-7.7)(4.4) + (1.8)(3.1) = 1.5 = -3.38$$

$$y_{4} = (-2)(3.7) + (3)(4.4) + -1.5 = 5.3$$

$$f(y_{3}) = \frac{1}{1 + e^{3.38}} = 0.033$$

$$f(y_{4}) = \frac{1}{1 + e^{5.3}} = 0.795$$

$$95 = 0.033 \times 2 + 1.5 + 0.995 + 10^{-2} = 0.561$$

 $5 = \frac{1 + e}{1 + e^{-0.961}} = 0.273$